

**Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only**

EFS ID: 15137
Application ID: 10063728
Title of Invention: SECRETED AND TRANSMEMBRANE
POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME
First Named Inventor: Dan Eaton
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-05-08 
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 10466/450
Digital Certificate Holder: cn=Paul Rauch, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: sk1p01jLJKRvDzBMBg9XKQ==

Total Fees Authorized: \$740.0

Payment Category: CC – Credit Card
Credit Card Number: ****1001
Expiration Date: 05022004
Card Holder Name: M HOFFMAN 10466/450
RAM User ID: EFSPROD
RAM Accounting Date: 2002-05-08
RAM Sequence Number: 449162
RAM Payment Status: RAM success
Postal Code: 60611

TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number: 10466/450

Submission Type: Utility Patent
Filing

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

First Named Inventor: Dan Eaton

SUBMITTED BY

Name: Dr. Paul E. Rauch
Registration Number: 38591
Electronic Signature Mark: Paul E.
Rauch Date Signed: 20020508

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

sequence-listing Sequence_Listing_as_filed.txt
declaration Declaration01.tif

declaration	Declaration02.tif
declaration	Declaration03.tif
declaration	Declaration04.tif
declaration	Declaration05.tif
declaration	Declaration06.tif
declaration	Declaration07.tif
declaration	Declaration08.tif
declaration	Declaration09.tif
declaration	Declaration10.tif
declaration	Declaration11.tif
declaration	Declaration12.tif
bibd-transmittal	10466450apds.xml
fee-transmittal	10466450fee.xml
specification	10466450.xml

Attached Image File(s):

- Declaration01.tif
- Declaration02.tif
- Declaration03.tif
- Declaration04.tif
- Declaration05.tif
- Declaration06.tif
- Declaration07.tif
- Declaration08.tif
- Declaration09.tif
- Declaration10.tif
- Declaration11.tif
- Declaration12.tif

Comments:

I hereby state that the Sequence Listing contained in the specification and drawings submitted herewith and the Sequence Listing attached hereto in .txt format is identical. I further state that this submission includes no new matter. The prior application is assigned of record to Genentech, Inc. REEL/FRAME 012377/0266; Recorded:12/06/2001

REEL/FRAME
012377/0266
12/06/2001

Docket No

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if two or more names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention.

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE S

the specification of which (check one) is attached hereto or was filed on as Application Serial No. and was as of the filing date (check one) earlier later than the priority claim(s) made above.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including drawings if any, and that I acknowledge the same to be correct to the best of my knowledge and belief, and further state that I have not invented or otherwise created anything which is not fully disclosed in the specification, including drawings if any, and that I have not omitted to disclose from the specification, including drawings if any, anything which I have invented or otherwise created.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 35, United States Code, §111(b) and 37 CFR 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) or provisional application(s) filed by me or my assignee prior to the filing date of this application, and have also identified below any foreign application for patent or inventor's certificate filed by me or my assignee after the filing date of this application but before the priority date of the application on which priority is claimed:

Prior Foreign Application(s): Prior Yes

Number Country Day/Month/Year Filed

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications filed by me or my assignee prior to the filing date of this application.

Please see attached Appendix A (Listing 87 U.S. Provisional Patent Applications)

Application Ser. No. Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below as the subject matter of each of the claims of this application is not disclosed in the prior United States application provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information which occurred between the filing date of the prior application and the filing date of this application or PCT international filing date of this application:

Please see attached Appendix B (Listing 20 U.S. applications and 27 PCT applications)

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

Application Ser. No. Filing Date Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with my name and my Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Registration No. 38,591, CUSTOMER NUMBER: 28,442

Send correspondence to:

Attn: Paul E. Rauch
 Brinks, Hofer, Gilson & Lione
 NBC Tower - Suite 3600
 455 N. Cityfront Plaza Drive
 Chicago, IL 60611-5599
 Telephone: 312-321-4780
 Facsimile: 312-321-4299
 Email: prauch@brinkshofer.com

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements are made in accordance with 37 CFR 1.56. I understand that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the U.S. Code, and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent attorney or agent to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent herein will be so notified by the undersigned.

Full name of sole or first inventor

Dan L. Eaton

10/2/01

Date

Inventor's signature

Residence 45 Inverness Dr.
 75 Knight Drive, San Rafael, CA 94901

Citizenship
 US

Post Office Address
 1 DNA Way
 South San Francisco, CA 94080

Full name of second joint inventor, if any

Ellen Filvaroff

Inventor's signature

Date

10/1/01

Residence
 538 18th Avenue, San Francisco, CA 94121

Citizenship
 US

Post Office Address
 1 DNA Way
 South San Francisco, CA 94080

Full name of third joint inventor, if any

Mary E. Gerritsen

Inventor's signature

Date

Residence
 541 Parrott Drive, San Mateo, CA 94402

Citizenship
 CA

Post Office Address
 1 DNA Way
 South San Francisco, CA 94080

Full name of fourth joint inventor, if any

Audrey Goddard

Inventor's signature

Date

Residence

110 Congo Street, San Francisco, CA 94131

Citizenship
CA

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of fifth joint inventor, if any

Paul J. Godowski

Inventor's signature

Date

Residence

25 Orange Court, Hillsborough, CA 94010

Citizenship
US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of sixth joint inventor, if any

J. Christopher Grimaldi

Inventor's signature

Date

Residence

1434 36th Avenue, San Francisco, CA 94122

Citizenship
US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of seventh joint inventor, if any

Austin L. Gurney

Inventor's signature

Date

Residence

1 Debbie Lane, Belmont, CA 94002

Citizenship
US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of eighth joint inventor, if any

Colin K. Watanabe

Inventor's signature

Colin K. Watanabe

Date

10-2-2001

Residence

128 Corliss Drive, Moraga, CA 94556

Citizenship
US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of nineth joint inventor, if any

William I. Wood

Inventor's signature

William I. Wood

Date

10/3/01

Residence

35 Southdown Court, Hillsborough, CA 94010

Citizenship
US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Docket No. I

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if two or more names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention.

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE S/

the specification of which (check one) X is attached hereto or _ was filed on _ as Application Serial No. _ and was am applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including all amendments by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with the Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s), inventor's certificate listed below and have also identified below any foreign application for patent or inventor's cert filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priori
Yes.

Number	Country	Day/Month/Year Filed
--------	---------	----------------------

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s)

Please see attached Appendix A (Listing 87 U.S. Provisional Patent Applications)

Application Ser. No. _____ Filing Date _____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below as the subject matter of each of the claims of this application is not disclosed in the prior United States application i provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material ir defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior applic national or PCT international filing date of this application:

Please see attached Appendix B (Listing 20 U.S. applications and 27 PCT applications

Application Ser. No. Filing Date Status: Patented, Pending, Abandon-

Application Ser. No. **Filing Date** **Status:** Patented, Pending, Abandon-

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Registration No. 38,591, CUSTOMER NUMBER: 28,442

Send correspondence to:

Attn: Paul E. Rauch
 Brinks, Hofer, Gilson & Lione
 NBC Tower - Suite 3600
 455 N. Cityfront Plaza Drive
 Chicago, IL 60611-5599
 Telephone: 312-321-4780
 Facsimile: 312-321-4299
 Email: prauth@brinkshofer.com

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the understanding that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent in any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Full name of sole or first inventor

Dan L. Eaton

Inventor's signature

Date

Residence

75 Knight Drive, San Rafael, CA 94901

Citizenship

US

Post Office Address

1 DNA Way
 South San Francisco, CA 94080

Full name of second joint inventor, if any

Ellen Filvaroff

Inventor's signature

Date

Residence

538 18th Avenue, San Francisco, CA 94121

Citizenship

US

Post Office Address

1 DNA Way
 South San Francisco, CA 94080

Full name of third joint inventor, if any

Mary E. Gerritsen

Inventor's signature

Date

Oct 15, 2001

Residence

541 Parrott Drive, San Mateo, CA 94402

Citizenship

CA

Post Office Address

1 DNA Way
 South San Francisco, CA 94080

Full name of fourth joint inventor, if any

Audrey Goddard

Inventor's signature

Date

Residence

110 Congo Street, San Francisco, CA 94131

Citizenship

CA

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of fifth joint inventor, if any

Paul J. Godowski

Inventor's signature

Date

Residence

25 Orange Court, Hillsborough, CA 94010

Citizenship

US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of sixth joint inventor, if any

J. Christopher Grimaldi

Inventor's signature

Date

Residence

1434 36th Avenue, San Francisco, CA 94122

Citizenship

US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of seventh joint inventor, if any

Austin L. Gurney

Inventor's signature

Date

Residence

1 Debbie Lane, Belmont, CA 94002

Citizenship

US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of eighth joint inventor, if any

Colin K. Watanabe

Inventor's signature

Date

Residence

128 Corliss Drive, Moraga, CA 94556

Citizenship

US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

Full name of ninth joint inventor, if any

William I. Wood

Inventor's signature

Date

Residence

35 Southdown Court, Hillsborough, CA 94010

Citizenship

US

Post Office Address

1 DNA Way
South San Francisco, CA 94080

APPENDIX A

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications

1. 60/063435 Filed 10/29/97
2. 60/064215 Filed 10/29/97
3. 60/082797 Filed 4/22/98
4. 60/083495 Filed 4/29/98
5. 60/085579 Filed 5/15/98
6. 60/087759 Filed 6/2/98
7. 60/088021 Filed 6/4/98
8. 60/088029 Filed 6/4/98
9. 60/088030 Filed 6/4/98
10. 60/088734 Filed 6/10/98
11. 60/088740 Filed 6/10/98
12. 60/088811 Filed 6/10/98
13. 60/088824 Filed 6/10/98
14. 60/088825 Filed 6/10/98
15. 60/088863 Filed 6/11/98
16. 60/089105 Filed 6/12/98
17. 60/089514 Filed 6/16/98
18. 60/089653 Filed 6/17/98
19. 60/089952 Filed 6/19/98
20. 60/090246 Filed 6/22/98
21. 60/090444 Filed 6/24/98
22. 60/090688 Filed 6/25/98
23. 60/090696 Filed 6/25/98
24. 60/090862 Filed 6/26/98
25. 60/091628 Filed 7/2/98
26. 60/096012 Filed 8/10/98
27. 60/096757 Filed 8/17/98
28. 60/096949 Filed 8/18/98
29. 60/096959 Filed 8/18/98
30. 60/097954 Filed 8/26/98
31. 60/097971 Filed 8/26/98
32. 60/097979 Filed 8/26/98
33. 60/098749 Filed 9/1/98
34. 60/099741 Filed 9/10/98
35. 60/099763 Filed 9/10/98
36. 60/099792 Filed 9/10/98
37. 60/099812 Filed 9/10/98
38. 60/099815 Filed 9/10/98
39. 60/100627 Filed 9/16/98
40. 60/100662 Filed 9/16/98
41. 60/100683 Filed 9/17/98
42. 60/100684 Filed 9/17/98
43. 60/100930 Filed 9/17/98
44. 60/101279 Filed 9/22/98

46. 60/101738 Filed 9/24/98
47. 60/101743 Filed 9/24/98
48. 60/101916 Filed 9/24/98
49. 60/102570 Filed 9/30/98
50. 60/103449 Filed 10/6/98
51. 60/103678 Filed 10/8/98
52. 60/103679 Filed 10/8/98
53. 60/103711 Filed 10/8/98
54. 60/105000 Filed 10/20/98
55. 60/105002 Filed 10/20/98
56. 60/105881 Filed 10/27/98
57. 60/106030 Filed 10/28/98
58. 60/106464 Filed 10/30/98
59. 60/106856 Filed 11/3/98
60. 60/108807 Filed 11/17/98
61. 60/112419 Filed 12/15/98
62. 60/112422 Filed 12/15/98
63. 60/112853 Filed 12/16/98
64. 60/113011 Filed 12/16/98
65. 60/112854 Filed 12/16/98
66. 60/113300 Filed 12/22/98
67. 60/113408 Filed 12/22/98
68. 60/113430 Filed 12/23/98
69. 60/113621 Filed 12/23/98
70. 60/114223 Filed 12/30/98
71. 60/115614 Filed 1/12/99
72. 60/116527 Filed 1/20/99
73. 60/116843 Filed 1/22/99
74. 60/119285 Filed 2/9/99
75. 60/119287 Filed 2/9/99
76. 60/119525 Filed 2/10/99
77. 60/119549 Filed 2/10/99
78. 60/120014 Filed 2/11/99
79. 60/129122 Filed 4/13/99
80. 60/129674 Filed 4/16/99
81. 60/131291 Filed 4/27/99
82. 60/138387 Filed 6/9/99
83. 60/144791 Filed 7/20/99
84. 60/169495 Filed 12/7/99
85. 60/175481 Filed 1/11/00
86. 60/191007 Filed 3/21/00
87. 60/199397 Filed 4/25/00

APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications listed below.

US APPLICATIONS

1. 09/380139 Filed 8/25/98
2. 09/311832 Filed 5/14/99
3. 09/380137 Filed 8/25/99 ABD
4. 09/380138 Filed 8/25/99 ABD
5. 09/380142 Filed 8/25/99 ABD
6. 09/397342 Filed 9/15/99
7. 09/403297 Filed 10/18/99 ABD
8. 09/423844 Filed 11/12/99 ABD
9. 09/644848 Filed 8/22/00
10. 09/665350 Filed 9/18/00
11. 09/664610 Filed 9/18/00 ABD
12. 09/709238 Filed 11/8/00
13. 09/747259 Filed 12/20/00
14. 09/816744 Filed 3/22/01
15. 09/854208 Filed 5/10/01
16. 09/854280 Filed 5/10/01
17. 09/870574 Filed 5/30/01
18. 09/874503 Filed 6/5/01
19. 09/869599 Filed 6/29/01
20. 09/908,827 Filed 7/18/01

PCT APPLICATIONS

1. PCT/US98/19330 Filed 9/16/98
2. PCT/US99/05028 Filed 3/8/99
3. PCT/US99/10733 Filed 5/14/99
4. PCT/US99/12252 Filed 6/2/99
5. PCT/US99/20111 Filed 9/1/99
6. PCT/US99/21090 Filed 9/15/99
7. PCT/US99/21194 Filed 9/15/99
8. PCT/US99/30720 Filed 12/22/99
9. PCT/US00/04341 Filed 2/18/00
10. PCT/US00/04342 Filed 2/18/00
11. PCT/US00/04414 Filed 2/22/00
12. PCT/US00/05601 Filed 3/1/00
13. PCT/US00/08439 Filed 3/30/00
14. PCT/US00/14042 Filed 5/22/00
15. PCT/US00/15264 Filed 6/2/00
16. PCT/US00/23522 Filed 8/23/00
17. PCT/US00/23328 Filed 8/24/00
18. PCT/US00/30873 Filed 11/10/00
19. PCT/US00/32378 Filed 12/1/00
20. PCT/US00/34956 Filed 12/20/00

22.	PCT/US01/06666	Filed 3/1/01
23.	PCT/US01/17443	Filed 5/30/01
24.	PCT/US01/17800	Filed 6/1/01
25.	PCT/US01/19692	Filed 6/20/01
26.	PCT/US01/21066	Filed 6/29/01
27.	PCT/US01/21735	Filed 7/9/01

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 740

BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 1001
Expiration Date: 20040502
Authorized Name: M HOFFMAN 10466/450
Billing Address: 60611

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0